

## **BioFlix™ Study Sheet for Population Ecology**

**Part I. Draw a graph showing exponential growth in the space below. Be sure to label the horizontal and vertical axes. Then describe exponential growth in words. What examples of exponential growth does your book use?**

**Part II. Draw a graph showing logistic growth in the space below. Include carrying capacity in your graph. Then describe logistic growth in words. What examples of logistic growth does your book use?**

**Part III. Under what conditions do populations grow exponentially? Under what conditions do populations grow logistically?**

**Part IV. Population growth can be limited by density-dependent factors or density-independent factors. What is the difference between these? Provide one example of each type of factor, and explain why it is density-dependent or density-independent.**